

Serial No. 10/757,986

Attorney Docket No. 12-039

LISTING OF CLAIMS:

1. (Currently amended) An electronic circuit housing ~~(131a) formed of a resin~~ having an internal space for containing the electronic circuit ~~(130)~~, comprising:

a circuit housing, the housing being formed of a resin;

an electronic circuit;

bus bars ~~(600)~~ that are insert-molded in said circuit housing for connecting to the electronic circuit; and

a conductive plate ~~(700)~~ that is insert-molded in said circuit housing surrounding said space and arranged on the outer side of said bus ~~bars~~;

a metal cover;

a metal motor housing;

wherein the electronic circuit is a motor driving circuit for a motor; and

wherein the circuit housing defines an internal space by walls surrounding the internal space, the circuit housing having an upper end on which the metal cover is provided and a lower end where the metal motor housing is placed; and

wherein said conductive plate is insert-molded in all the surrounding walls.

2. (Currently amended) An electronic circuit housing according to claim 1, wherein said conductive plate ~~(700)~~ is a metal plate ~~(700)~~.

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3. (Currently amended) An electronic circuit housing according to claim 1, wherein said conductive plate (700) is connected to a member (121) at ground potential.

4. (Currently amended) An electronic circuit housing according to claim 1, wherein said electronic circuit (130) is a motor driving circuit (130) for a motor (120) to operate a compression mechanism (110) of a an electric compressor (100).

5. (Currently amended) An electronic circuit housing according to ~~claim 5~~ claim 4, wherein said conductive plate (700) is in contact with that part of said electric compressor (100) in which a refrigerant, sucked in by said compression mechanism (110), flows.

6. (New) An electronic circuit housing according to claim 1, wherein a shape of the housing is a rectangular cylinder having an upper opening and a lower opening.

7. (New) An electronic circuit housing according to claim 7, wherein the metal cover is disposed to cover the upper opening, the conductive plate is exposed at the upper end of the circuit housing, and the metal cover is arranged to contact the conductive plate.

8. (New) An electronic circuit housing according to claim 1,

wherein the circuit housing includes an outer cylinder and a flange portion extending inward from the outer cylinder,

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wherein the bus bars are insert molded in the outer cylinder and the flange portion, and

wherein the bus bars are partly exposed from the end of the flange portion.

9. (New) An electronic circuit housing formed of a resin having an internal space for containing the electronic circuit, wherein the electronic circuit is a motor driving circuit for a motor, comprising:

a circuit housing, the circuit housing being formed of a resin and having a cylindrical shape with an upper opening and a lower opening;

bus bars that are insert-molded in said circuit housing and adapted for connecting to an electronic circuit; and

a conductive plate that is insert-molded in said circuit housing surrounding said space, arranged on the outer side of said bus bars, and conducted to a member at ground potential;

a metal cover;

a metal motor housing;

wherein the circuit housing defines an internal space by walls surrounding the internal space, the circuit housing having an upper end at the upper opening on which the metal cover is provided and a lower end at the lower opening where the metal motor housing is placed;

wherein said conductive plate is insert-molded in all the surrounding walls, and

wherein the metal cover is disposed to cover the upper opening, the conductive plate is exposed at the upper end of the circuit housing, and the metal cover is arranged to contact the conductive plate.

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10. (New) An electronic circuit housing according to claim 9, wherein said conductive plate is in contact with that part of said electric compressor in which a refrigerant, sucked in by said compression mechanism, flows.

11. (New) An electronic circuit housing according to claim 1, wherein the cylindrical shape of the housing is a rectangular cylinder.

12. (New) An electronic circuit housing according to claim 9,
wherein the circuit housing includes an outer cylinder and a flange portion extending inward from the outer cylinder,
wherein the bus bars are insert molded in the outer cylinder and the flange portion, and
wherein the bus bars are partly exposed from the end of the flange portion.